

Title (en)

Channel structure having a shared downlink channel in a mobile communication system

Title (de)

Kanalstruktur mit geteilten Abwärtskanal in einem Mobilkommunikationssystem

Title (fr)

Structure de canaux avec un canal descendant en commun dans un système de communication mobile

Publication

**EP 1343339 A2 20030910 (EN)**

Application

**EP 03251282 A 20030304**

Priority

JP 2002059444 A 20020305

Abstract (en)

A channel structure of a mobile communication system including a radio base station having a transmission antenna able to control a beam direction for each of a plurality of mobile stations in a cell. The mobile stations carry out radio communication using a shared channel together with an associated dedicated channel used in association with the shared channel. The shared channel is shared by the mobile stations and allocated to each of the mobile stations per predetermined unit transmission. A first pilot channel is set and dedicatedly used for channel estimation of the shared channel, and a second pilot channel is set and dedicatedly used for channel estimation of the associated dedicated channel. <IMAGE>

IPC 1-7

**H04Q 7/36**

IPC 8 full level

**H04B 7/04** (2006.01); **H04B 7/26** (2006.01); **H04L 25/02** (2006.01); **H04W 16/02** (2009.01); **H04W 16/28** (2009.01); **H04W 48/12** (2009.01); **H04W 76/02** (2009.01)

CPC (source: EP US)

**H04B 7/0408** (2013.01 - EP US); **H04L 25/0228** (2013.01 - EP US); **H04W 16/28** (2013.01 - EP US); **H04W 48/12** (2013.01 - EP US); **H04B 2201/70701** (2013.01 - EP US); **H04B 2201/709709** (2013.01 - EP US); **H04L 25/0226** (2013.01 - EP US)

Citation (applicant)

- WO 0191491 A1 20011129 - MATSUSHITA ELECTRIC IND CO LTD [JP], et al
- JP 2002059444 A 20020226 - HOWA SENI KOGYO

Cited by

EP1727292A4; EP1791271A4; EP1895796A4; EP1601119A3; EP1619923A3; EP1550327A4; US7792151B2; WO2006134666A1; US8462709B2; US9883486B2; WO2004032393A2; US7742788B2

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